

Healthy Washington: Roadmap to Recovery Report

April 12, 2021



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Figure. Healthy Washington county reopening phase map for implementation April 16, 2021



Healthy Washington phases are assigned by county and based on the following metrics:

- New COVID-19 cases over 14 days – assessed at the county level
- New COVID-19 hospitalizations over 7 days – assessed at the county level
- ICU bed occupancy over 7 days – assessed at the state level

The first metric is based on case counts and rates after removing cases diagnosed among persons who are incarcerated. Metrics are assessed differently for small and large counties. A small county is defined as a county with a population of less than 50,000.

The metrics will be recalculated every three weeks and counties must meet at least one of the county-based metric thresholds in a given phase in order to remain in that phase. Counties that no longer meet both county-based metrics will move back one phase. Counties that meet both county-based metrics of a higher level phase can move forward one phase. See the table in the appendix for metric thresholds by phase and county size.

The data used to calculate the metrics in this report are current as of Apr 09, 2021 at 11:59pm.

Current reporting period table for implementation on Friday, April 16, 2021

Statewide ICU bed occupancy (03/29/2021-04/04/2021): 77.8%

Table 1. Roadmap to Recovery metrics by county, Washington State

County	Size	Phase	Case Count*	Case Rate*	Hospitalization Count	Hospitalization Rate
			03/20/2021-04/02/2021		03/24/2021-03/30/2021	
Adams	Small	3	31	151.6	0	0.0
Asotin	Small	3	25	110.4	0	0.0
Benton	Large	3	319	155.1	5	2.4
Chelan	Large	3	159	199.6	5	6.3
Clallam	Large	3	42	54.7	0	0.0
Clark	Large	3	690	138.2	12	2.4
Columbia	Small	3	0	0.0	0	0.0
Cowlitz	Large	2	367	332.1	13	11.8
Douglas	Small	3	115	262.9	1	2.3
Ferry	Small	3	5	63.2	0	0.0
Franklin	Large	3	182	188.1	3	3.1
Garfield	Small	3	1	44.9	0	0.0
Grant	Large	3	145	144.8	3	3.0
Grays Harbor	Large	3	65	87.0	2	2.7
Island	Large	3	36	42.1	0	0.0
Jefferson	Small	3	7	21.7	0	0.0
King	Large	3	4,362	192.9	91	4.0
Kitsap	Large	3	411	151.0	13	4.8
Kittitas	Small	3	92	191.1	3	6.2
Klickitat	Small	3	4	17.6	0	0.0
Lewis	Large	3	117	145.8	7	8.7
Lincoln	Small	3	51	461.5	0	0.0
Mason	Large	3	59	89.9	2	3.0
Okanogan	Small	3	62	143.8	1	2.3
Pacific	Small	3	8	36.6	0	0.0
Pend Oreille	Small	3	16	115.5	0	0.0

County	Size	Phase	Case Count*	Case Rate*	Hospitalization Count	Hospitalization Rate
03/20/2021-04/02/2021				03/24/2021-03/30/2021		
Pierce	Large	2	2,413	267.9	58	6.4
San Juan	Small	3	10	57.7	0	0.0
Skagit	Large	3	134	102.7	1	0.8
Skamania	Small	3	5	40.9	0	0.0
Snohomish	Large	3	1,265	152.3	26	3.1
Spokane	Large	3	947	181.2	32	6.1
Stevens	Small	3	86	187.3	2	4.4
Thurston	Large	3	342	117.5	4	1.4
Wahkiakum	Small	3	1	23.8	0	0.0
Walla Walla	Large	3	48	76.7	1	1.6
Whatcom	Large	3	353	154.8	3	1.3
Whitman	Large	2	210	416.0	3	5.9
Yakima	Large	3	646	250.2	10	3.9

*Excluding cases among persons who are incarcerated that were reported by 04/09/2021 with a specimen collection date between 03/20/2021-04/02/2021.

Appendix

The methods used to calculate the metrics are described below. This table shows the metrics thresholds for each phase by county size.

Table 2. Healthy Washington phase metrics and thresholds by county size

County Size	Metric	Phase 1	Phase 2	Phase 3
Larger County	New COVID-19 cases per 100,000 population per 14 days	>350	200-350	<200
Larger County	New COVID-19 hospitalizations per 100,000 population per 7 days	>10	5-10	<5
Smaller County (<50k people)	New COVID-19 cases over 14 days	>175	100-175	<100
Smaller County (<50k people)	New COVID-19 hospitalizations over 7 days	>5	3-5	<3

Statewide ICU bed occupancy must be 90% or below for counties to stay in the current phase. If the statewide ICU occupancy is above 90% all counties will move back one phase.

New COVID-19 cases over 14 days

A case is defined as a Washington resident with a molecular or antigen test that is positive for COVID-19. Cases are assigned to the date a specimen was collected for testing, called the specimen collection date. Case data come from the Washington Disease Reporting System (WDRS). The most recent 8 days of case data are considered incomplete as it takes up to 8 days for the Washington State Department of Health (DOH) to receive 90% of reported cases.

- **Case Count:** New COVID-19 cases over 14 days are counted by identifying the number of cases with a specimen collection date in a 14-day period.
- **Case Rate:** New COVID-19 cases per 100,000 population per 14 days is calculated by dividing the number of cases with a specimen collection date in a 14-day period by the county population and multiplying by 100,000.

New COVID-19 hospitalizations over 7 days

A COVID-19 hospitalization is defined as a Washington resident with confirmed or probable COVID-19 diagnosis who is identified as having been hospitalized through either case

investigation OR linkage with Rapid Health Information Network (RHINO) records. Hospitalizations are assigned to the hospital admission date in WDRS. The most recent 11 days of hospitalization data are considered incomplete as it takes up to 11 days for DOH to receive 90% of reported hospitalizations.

- **Hospitalization Count:** New COVID-19 hospitalizations over 7 days are counted by identifying the number of hospitalizations with a hospital admission date in a 7-day period.
- **Hospitalization Rate:** New COVID-19 hospitalizations per 100,000 population per 7 days is calculated by dividing the number of hospitalizations with a hospital admission date in a 7-day period by the county population and multiplying by 100,000.

ICU bed occupancy over 7 days

The statewide ICU bed occupancy is defined as the percent of staffed adult ICU beds in acute care hospitals in Washington that are occupied. ICU occupancy includes all patients in the ICU, not only patients with COVID-19. The ICU bed occupancy is calculated by summing the occupancy over the 7-day period and dividing this by the sum of the 7-day capacity. The result is multiplied by 100. The data for this metric come from WA HEALTH. The most recent 6 days of data are considered incomplete as it takes up to 6 days for data collection, quality checks, and reporting.

Phase status

- For large counties, phase status is based on case rate and hospitalization rate. Rates are compared to the thresholds outlined in the table above.
- For small counties, phase status is based on case count and hospitalization count. Counts are compared to the thresholds outlined in the table above.

Case counts and rates presented in this report may differ from those on the DOH dashboard and Risk Assessment dashboard as the dashboards do not exclude cases among persons who are incarcerated. For this reason, the case counts and rates including persons who are incarcerated are provided below.

Table 3. Current case counts and rates including cases among persons who are incarcerated

County	Size	Case Count	Case Rate
03/20/2021-04/02/2021			
Adams	Small	31	151.6
Asotin	Small	25	110.4
Benton	Large	319	155.1
Chelan	Large	159	199.6
Clallam	Large	42	54.7

County	Size	Case Count	Case Rate
03/20/2021-04/02/2021			
Clark	Large	690	138.2
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Cowlitz	Large	367	332.1
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Ferry	Small	5	63.2
Franklin	Large	183	189.1
Garfield	Small	1	44.9
Grant	Large	145	144.8
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Lewis	Large	117	145.8
Lincoln	Small	51	461.5
Mason	Large	59	89.9
Okanogan	Small	62	143.8
Pacific	Small	8	36.6
Pend Oreille	Small	16	115.5
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San Juan	Small	10	57.7
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Yakima	Large	646	250.2

Data sources

The Washington Disease Reporting System (WDRS) is the statewide surveillance system for collecting information on notifiable health conditions such as measles, blood lead levels, and COVID. DOH, and local and tribal public health entities use WDRS to collect and manage public health data.

The Rapid Health Information Network (RHINO) program is Washington's syndromic surveillance system. This system collects near real-time data on patient demographics, chief complaints, and diagnoses from hospitals and clinics across the state.

WA HEALTH is Washington's Healthcare and Emergency and Logistics Tracking Hub. This is a dynamic data collection system which receives data from hospitals daily as information is available. Washington's acute care hospitals use WA HEALTH to submit information to the DOH about resources available to care for Washington residents.

2020 population data for calculating rates are from the Washington State Office of Financial Management.